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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/533,762	03/23/2000	Jae Kyung Lee	0630-1061P	9869

7590 12/18/2002

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[REDACTED] EXAMINER

KE, PENG

ART UNIT	PAPER NUMBER
2174	

DATE MAILED: 12/18/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.	09/533,762	Applicant(s)	LEE ET AL.
Examiner	Peng Ke	Art Unit	2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM  
THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) Responsive to communication(s) filed on 18 November 2002.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) Claim(s) 1-6,9-12 and 15-17 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 1-6, 9-12, and 15-17 is/are rejected.
- 7) Claim(s) \_\_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

### Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All b) Some \* c) None of:  
1. Certified copies of the priority documents have been received.  
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

### Attachment(s)

- 1) Notice of References Cited (PTO-892)  
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.  
4) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.  
5) Notice of Informal Patent Application (PTO-152)  
6) Other:

## **DETAILED ACTION**

1. This action is responsive to communications: Amendment, filed on 03/23/00.
2. Claims 1-6, 9-12, and 15-17 are pending in this application. Claims 1-4 are independent claims. In the Amendment, filed on 03/23/00, Claims 7, 8, 13, and 14 are canceled. Claims 1-6 and 9-12 are amended. Claims 15-17 are added.
3. The present title of the invention is “Method for displaying menu screen of video apparatus” as originally filled.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-5, 9, 10 and 15 are rejected under 35 U.S.C. 102(b) as being anticipated by Tsugo (JP 04246720).

As per independent claim 1, Tsugo teaches a method for display a menu on a video display apparatus, the menu screen comprising a plurality of menus and menu levels, wherein selecting a menu generates a corresponding menu level, and a last menu level is displayed in a first color that is different from a second color in which intermediate menu levels are displayed (Detail Description, P. 0004).

As per independent claim 2, Tsugo teaches a method for displaying a menu screen on a video display apparatus, the menu screen comprising a plurality of menus and menu levels, wherein selecting a menu from the plurality of menus generates a corresponding menu level, the

selected menu and the corresponding menu level being displayed differently from other menus and menu levels on the menu screen (Detail Description, P. 0004, 0007).

As per independent claim 3, Tsugo teaches a method for displaying a menu screen on a video display apparatus, the menu screen comprising a plurality of menus and menu levels, wherein selecting a menu from the plurality of menus generates a corresponding menu level, the selected menu and the corresponding menu level being displayed differently from other menus and menu levels on the menu screen, and a last menu level is displayed in a first color that is different from a second color in which other menu levels are displayed on the menu screen (Detail Description, P. 0004, 0007).

As per independent claim 4, Tsugo teaches a method for displaying a menu screen on a video display apparatus, the menu screen comprising a plurality of menus and menu levels, wherein selecting a menu from the plurality of menus generates a corresponding menu level, the selected menu and the corresponding menu level being displayed differently from other menus and menu levels on the menu screen, and a last menu level being displayed in a first color that is different from a second color in which intermediate menu levels are displayed (Detail Description, P. 0004, 0007).

As per claim 5, which is dependent on claim 2, Tsugo teaches the method according to claim 2, wherein the menus and menu levels are displayed using blocks, and the selected menu and the corresponding menu level are displayed on a different block from other menus and menu levels (Fig 2, item I, II, III).

As per claim 9, which is dependent on claim 3, it is of the same scope as claim 5.

As per claim 10, which is dependent on claim 4, it is of the same scope as claim 5.

As per claim 15, which is dependent on claim 5, Tsugo teaches The method according to claim 5, wherein each of the blocks is displayed three dimensionally so as to show its height.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 6, 11, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsugo (JP 04246720) in view of Roberge (US 6,154,750).

As per claim 6, which is dependent on claim 2, Tsugo teaches the method according to claim 2. However Tsugo doesn't teach wherein the menus and menu levels are displayed using different shadings, and the selected menu and the corresponding menu level are displayed using a shading that is different from the shadings of the other menus and menu levels. Roberge teaches a method wherein the menus and menu levels are displayed using different shadings, and the selected menu and the corresponding menu level are displayed using a shading that is different from the shadings of the other menus and menu levels. It would have been obvious to an artisan at the time of the invention to include Roberge's teaching with Tsugo's method in order to make it easier for user to recognize the submenus, which have a different shade from each other.

As per claim 11, which is dependent on claim 3, it is of the same scope as 6 (see rejection above).

As per claim 12, which is dependent on claim 3, it is of the same scope as 6 (see rejection above).

Claims 16 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Tsugo (JP 04246720) in view of Ermel et al. (U.S. 5,835,094).

As per claim 16, which is dependent on claim 9, Tsugo teaches claim 9, he doesn't teach the method wherein each of the blocks is displayed three dimensionally so as to show its height. However, Ermel et al. teaches a method wherein each of the blocks is displayed three dimensionally so as to show its height (fig 1-4, col 3 lines 37-51). It would have been obvious to one of ordinary skill in the art at the time of the invention to include Ermel's teaching with Tsugo's method in order to give user a complete view of all the available selections of the menu.

As per claim 17, which is dependent on claim 10, it is of the same scope as claim 5 (see rejection above).

#### *Response to Arguments*

Applicant's arguments with respect to claims 1-6, 9-12, and 15-17 have been considered but are moot in view of the new ground(s) of rejection.

#### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peng Ke whose telephone number is (703) 305-7615. The examiner can normally be reached on M-F 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, KRISTINE L KINCAID can be reached on (703) 308-0640. The fax phone numbers

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for the organization where this application or proceeding is assigned are (703) 746-7239 for regular communications and (703) 746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.

Peng Ke  
December 11, 2002

*Kristine Kincaid*  
KRISTINE KINCAID  
SUPERVISORY PATENT EXAMINER  
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